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Jan 28, 1988

PUB-NO: JP363020301A
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TITLE: CHITOSAN MICROPARTICLE

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INVENTOR-INFORMATION:

NAME

COUNTRY

SUGAYA, TOSHIKO

MURAKAMI, HIROKO

KATAYAMA, HIROKAZU

ASSIGNEE-INFORMATION:

NAME

COUNTRY

DAINICHI COLOR & CHEM MFG CO LTD

APPL-NO: JP61162087

APPL-DATE: July 11, 1986

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ABSTRACT:

PURPOSE: To obtain the title highly pure microparticles having a very fine average particle diameter and being useful as, e.g., a carrier material in the medical field, by spray-drying an acidic aqueous solution of chitosan.

CONSTITUTION: Chitosan obtained by deacetylating chitosan present in the integuments of Crustacea such as crabs or lobsters is dissolved in a 0.1~10wt% aqueous solution of an acid such as acetic acid or hydrochloric acid to obtain an acidic aqueous solution of chitosan of a concentration of 0.05~20wt%. This solution is spray-dried without a coagulant, a suspending agent or the like by spraying into hot air of 100~180°C to obtain the title microparticles of an average particle diameter $\leq 10\mu$.

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